

24 MAY 1977

Reference MB3 77/2

Issued 17 May 1977

## Congenital malformations - monitoring program

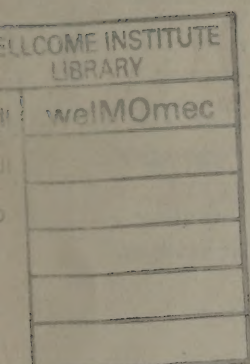
This Monitor is the first in the series giving the results from the monitoring program on congenital malformations conducted by OPCS. The program was suspended for 1974 due to National Health Service area re-organisation in that year. The table summarises the accumulated data for 1975.

The program, using the Cusum technique and deviation analysis, is run each month to find out if there appears to be an increase of reports of any malformation or group of malformations occurring in any area or group of areas. The Cusum program used for this analysis compares the number of notifications of a particular malformation in each area with the average level set for that area from a previous period. The reference level for the 1975 Cusum program was a monthly average of those malformations notified in 1974. The reference levels will be altered when it appears that a sustained change upwards or downwards has taken place in the average numbers of malformations notified in an area. The table lists the areas that have shown a 'significant' increase in a particular malformation for each month of 1975 and in those areas underlined the incidence was significantly above the average for England and Wales.

Care must be taken in interpreting this table since 'significant' increases may be caused by a variety of factors. For instance one occurrence of a rare malformation may create a 'significant' increase in a small area. An increase can also be created if a new midwife in an area has been more conscientiously reporting certain malformations.

Any comments on the usefulness of this Monitor would be welcomed and should be addressed to Dr J A C Weatherall, OPCS, St. Catherine's House, 10 Kingsway, London, WC2B 6JP. Depending upon the response, we expect to produce a table similar to this for 1976 in the next issue of the series. Area Medical Officers will then be notified monthly of any increases in their areas and a table for each quarter will be given in the Monitor.

The method of Cusum surveillance used is fully described in Surveillance of Malformations, Weatherall, J A C, and Haskey, J C, *British Medical Bulletin*, Volume 32, Number 1, 1976.





Health Authority Areas which in 1975 have shown increased numbers of particular malformations compared with the average notifications for that area and malformation during the previous year.

(Cusum test is to distinguish a significant increase).

Malformation	Area	Month
01 Anencephaly	Bradford	August
	<u>Sandwell</u>	
	Manchester	November
	Salford	December
04 Hydrocephalus	Cleveland	April
	<u>Manchester</u>	September
06 Other specified malformations of brain or spinal cord	<u>Avon</u>	June
08 Spina bifida	<u>Dyfed</u>	March
	<u>Nottinghamshire</u>	April
	Northumberland	
	Oxfordshire	June
	Barking and Havering	September
18 Accessory auricle	<u>East Sussex</u>	November
	<u>East Sussex</u>	December
21 Cleft lip	Warwickshire	August
	<u>South Glamorgan</u>	October
22 Cleft palate	St Helens and Knowsley	February
	<u>East Sussex</u>	April
	<u>Gloucestershire</u>	October
	<u>Cornwall</u>	November
27 Rectal and anal atresia and stenosis	<u>Lincolnshire</u>	May
29 Other specified malformations of alimentary system	Essex	May
39 Specified malformations of heart and circulatory system	<u>St Helens and Knowsley</u>	April
	<u>Warwickshire</u>	May
	St Helens and Knowsley	July
	<u>East Sussex</u>	September
	<u>Hampshire</u>	November
	<u>Lambeth, Southwark and Lewisham</u>	
30 Unspecified malformations of heart and circulatory system	<u>North Yorkshire</u>	December
	<u>Croydon</u>	December
52 Undescended testicle	<u>Northumberland</u>	March
	<u>Essex</u>	June
	<u>Warwickshire</u>	August
	<u>Salford</u>	September
	<u>Warwickshire</u>	October
	Essex	November
	<u>Bury</u>	
57 Hypospadias, epispadias	<u>Wiltshire</u>	March
	<u>Trafford</u>	July
	Avon	September
60 Polydactyly	<u>Brent and Harrow</u>	May
	<u>Bradford</u>	July
61 Syndactyly	Nottinghamshire	June



Malformation	Area	Month
65 Talipes	<u>Norfolk</u>	February
	<u>Cornwall</u>	May
	<u>Rochdale</u>	July
	<u>Salford</u>	
	<u>Warwickshire</u>	November
	<u>Salford</u>	
	<u>Avon</u>	
	<u>Oldham</u>	December
	<u>Doncaster</u>	
66 Congenital dislocation of hip	<u>Kent</u>	March
	<u>Cornwall</u>	April
	<u>St Helens and Knowsley</u>	
	<u>Avon</u>	May
	<u>Kent</u>	
	<u>Salford</u>	June
	<u>Greenwich and Bexley</u>	
	<u>Kent</u>	September
	<u>Derbyshire</u>	November
67 Other specified malformations of upper limb or shoulder	<u>Essex</u>	October
68 Other specified malformations of leg or pelvis	<u>Kirklees</u>	January
	<u>Cheshire</u>	November
69 Unspecified limb malformations	<u>Lincolnshire</u>	March
70 Other malformations of musculo - skeletal systems (including congenital hernias except hiatus hernia)	<u>Lancashire</u>	February
	<u>Bromley</u>	May
	<u>Greenwich and Bexley</u>	June
	<u>East Sussex</u>	July
	<u>Salford</u>	November
	<u>Kingston and Richmond</u>	December
	<u>Essex</u>	
71 Malformations of skull or face bones	<u>Lincolnshire</u>	January
	<u>Cleveland</u>	June
72 Malformations of spine - scoliosis curvature - lordosis, not otherwise stated	<u>Wessex</u>	December
83 Pigmented naevus	<u>Lancashire</u>	March
	<u>Newcastle upon Tyne</u>	April
	<u>Newcastle upon Tyne</u>	May
	<u>Liverpool</u>	July
	<u>Rotherham</u>	August
	<u>West Sussex</u>	September
	<u>St Helens and Knowsley</u>	
	<u>Liverpool</u>	October
	<u>Gloucestershire</u>	December
	<u>West Sussex</u>	
84 Other specified malformations of skin including ichthyosis congenita	<u>Bradford</u>	March
	<u>Norfolk</u>	August
	<u>Kent</u>	
90 Other and unspecified congenital malformations	<u>Nottinghamshire</u>	January
	<u>Lincolnshire</u>	December
96 Down's syndrome	<u>Staffordshire</u>	February
	<u>Staffordshire</u>	August
98 Other specified syndromes	<u>Kent</u>	March
	<u>Birmingham</u>	April





Malformation	Area	Month
0A Central nervous system	East Sussex	March
	Hillingdon	May
	<u>Sandwell</u>	August
	<u>Barking and Havering</u>	September
0C Anencephalus with spina bifida	<u>Derbyshire</u>	July
0E Spina bifida with hydrocephalus	<u>Dorset</u>	November
ID Ear malformations	Birmingham	October
	<u>East Sussex</u>	December
2A Alimentary malformations	West Sussex	May
	Brent and Harrow	September
	<u>South Glamorgan</u>	October
2B Cleft lip and/or cleft palate	West Sussex	July
	<u>South Glamorgan</u>	October
	<u>Cornwall</u>	November
2E Intestinal malformations	Avon	March
3B Cardiovascular malformations	<u>Warwickshire</u>	May
	St Helens and Knowsley	June
	<u>East Sussex</u>	September
	<u>North Yorkshire</u>	December
5A Malformations of external genitals	<u>Devon</u>	February
	<u>Wiltshire</u>	March
	<u>Trafford</u>	July
	<u>Birmingham</u>	November
5F Urino genital malformations	North Yorkshire	May
	<u>Salford</u>	
	Essex	June
	<u>Sunderland</u>	
	<u>Kirklees</u>	July
	<u>Coventry</u>	
	<u>Warwickshire</u>	August
	Essex	September
	<u>Salford</u>	
6A Limb malformations	Essex	December
	<u>Cornwall</u>	March
	<u>Salford</u>	April
	Merton, Sutton and Wandsworth	May
	<u>Rochdale</u>	July
	<u>Salford</u>	August
	St Helens and Knowsley	October
	<u>Cheshire</u>	November
	Avon	
	<u>Salford</u>	
	Doncaster	December
6E Reduction deformities	Brent and Harrow	
	Walsall	
6F Other malformation of limbs	<u>Cornwall</u>	March
8F Other malformations of skin, muscles, fascia, hair and nails	<u>Kirklees</u>	February
	<u>Rotherham</u>	July
	<u>Cornwall</u>	November
	<u>Cheshire</u>	
9F Chromosomal abnormalities	<u>Bradford</u>	March
	<u>Norfolk</u>	August
	Kent	
9K Other malformations	<u>Leicestershire</u>	January
	<u>Brent and Harrow</u>	July
	<u>Staffordshire</u>	August
	<u>Nottinghamshire</u>	January
	<u>Lincolnshire</u>	November